


Declaration of Performance according to Regulation (EU) No. 305/2011 of the European Parliament and Council of March 9, 2011

Declaration of Performance No.		SH - WPCA - 160720				Replaces Version		
1	Unique identification code of the product – type	Spruce / fir Sawn Timber				SH - WPCA - 131127		
2	Labelling for identification of building product acc. To article 11, paragraph 4:	The allocation to the production can be found on the packing information						
3	Manufacturer's intended use or intended uses of building product in accordance with the applicable harmonized technical specification	Sorted squared timber according to stability for bearing proposes						
4	Name, registered trade name or registered trade mark and contact address of the manufacturer as requested under Article 11 (paragraph 5):	elka-Holzwerke GmbH Hochwaldstr. 44 D-54497 Morbach		Tel. +49-6533-956-0 info@elka-holzwerke.de www.elka-holzwerke.eu				
5	Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12 (paragraph 2):	Not named						
6	System or systems of assessment and verification of constancy of performance of the construction product referred to Annex V:	System 2+						
7	In case of the declaration of performance concerning a construction product covered by a harmonised standard.	The notified body [WKI 0765] the initial inspection of the factory. The actual factory production quality control and the continuous surveillance, assessment and approval of factory production quality control is done by the WKI with the certificate Nr. 0765-CPR-665.						
8	In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:	not applicable						
9	Declared performance DIN EN 14081	C 18 visual dry sorted		C 24 visual dry sorted		C 30 visual dry sorted		Harmonised Technical Specifications
	Tolerance class 1							EN 336
	Thickness / width <= 100 mm	+ 3 mm	- 1 mm	+ 3 mm	- 1 mm	+ 3 mm	- 1 mm	
	Thickness / width >= 100 mm	+ 4 mm	- 2 mm	+ 4 mm	- 2 mm	+ 4 mm	- 2 mm	
	Length	npd	- 0 mm (AQL 10)	npd	- 0 mm (AQL 10)	npd	- 0 mm (AQL 10)	EN 338
	Density	320 kg / m ³		350 kg / m ³		380 kg / m ³		
	Mean value density	380 kg / m ³		420 kg / m ³		460 kg / m ³		
	Bending strength	18 N / mm ²		24 N / mm ²		30 N / mm ²		
	Tension in direction of fibre	11 N / mm ²		14 N / mm ²		18 N / mm ²		
	Tension perpendicular in direction of fibre	0,4 N / mm ²		0,4 N / mm ²		0,4 N / mm ²		
	Compression in direction of fibre	18 N / mm ²		21 N / mm ²		23 N / mm ²		
	Compression perpendicular in direction of fibre	2,2 N / mm ²		2,5 N / mm ²		2,7 N / mm ²		
	Shear	3,4 N / mm ²		4,0 N / mm ²		4,0 N / mm ²		
	Mean value E - Moduls in direction of fibre	9000 N / mm ²		11000 N / mm ²		12000 N / mm ²		
	5 % - Quantile E - Moduls in direction of fibre	6000 N / mm ²		7400 N / mm ²		8000 N / mm ²		
	Mean value E - Moduls perpendicular in direction of fibre	300 N / mm ²		370 N / mm ²		400 N / mm ²		
	Mean value shear module	560 N / mm ²		690 N / mm ²		750 N / mm ²		
	Reaction to fire (thickness >= 22 mm)	D-s2, d0		D-s2, d0		D-s2, d0		EN 14081
	Biological durability	4		4		4		EN 350
10	The performance of the product in accordance with paragraphs 1 and 2 corresponds to the declared performance stated to item 9. Responsible for the preparation of this declaration of performance is solely the manufacturer named in acc. To item 4.							
	Signed on behalf of the manufacturer and the name of the manufacturer by:							
	Name:	Frau Larissa Kuntz						
	position:	CEO						
	place of issue:	D-54497 Morbach						
	Date:	30.10.2024						
	Signature:	